



PUBLIC NOTICE

File Number: NRS 13.094

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Real Estate Solutions Group, LLC
Andre Jaeckle
100 Saddle Springs Blvd
Thompson's Station, TN 37179
973-641-1953

LOCATION: Owl Creek and Edmonson Branch in the Owl Creek Subdivision
Brentwood, TN

Impact 1	Latitude: 35.989065	Longitude: -86.696537
Impact 2	Latitude: 35.988707	Longitude: -86.696623
Impact 3	Latitude: 35.992167	Longitude: -86.697170

PROJECT DESCRIPTION: The applicant is proposing to amend the permit, NRS13.094, issued in August of 2013. After permit authorization the applicant requested to add an additional road crossing, utility lines, and modify the construction method of a gravity sewer line previously authorized. Since this is a minor amendment to the original permit, and does not constitute degradation this notice will only be posted for 20 days.

The applicant proposes to install a span bridge covering 48 linear feet of stream with wingwalls adding an additional 10 feet of stream impact up and downstream of the bridge. The total impact from the bridge will be 68 linear feet. The applicant also proposes to install an 8" water line upstream of the bridge using the hoe ram, open trench method. Downstream of the bridge, electric, cable and telephone lines will be installed using the same methods. The applicant has also proposed to remove a 5 culvert, poured-in-place bridge upstream from the additional road crossing. The banks will be stabilized and planted. The previously permitted gravity sewer line will not be installed using trenchless technology as previously permitted. The applicant is requesting authorization to alter the installation methods and use the hoe ram open trench method due to shallow grade of the sewer line and minimal rock cover.

This watershed contains a state and federally listed endangered species. All water resource alteration activities will be monitored by a biologist for any impacts to the Nashville crayfish.

Additionally, specific standards for Nashville crayfish habitat restoration will be employed at utility line crossings.

IMPACTS:

Impact 1

Latitude: 35.989065 Longitude: -86.696537

Installation of a 48 linear foot span bridge with 10 foot wide wingwalls.

Installation of an 8" water line upstream of bridge.

Installation of telephone, electric, and cable lines downstream from bridge.

All utilities will be installed using open trench methods.

Impact 2

Latitude: 35.988707 Longitude: -86.696623

Removal of 25 linear foot, poured-in-place, 5-culvert bridge.

Impact 3

Latitude: 35.992167 Longitude: -86.697170

Installation of a gravity sewer line using open trench method. This activity was previously authorized using trenchless technology.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: This project is in the Mill Creek area that is encompassed by the Cheatham Lake watershed. The headwaters of Mill Creek are at the intersection of western Rutherford County with the southeastern portion of Davidson County and the northeastern portion of Williamson County. Mill Creek flows west to State Route 252. It then turns northward towards the Cumberland River draining the eastern side of the city of Brentwood, and most of Antioch, Glenciff, Woodbine, and the Nashville International Airport before reaching its confluence with the Cumberland River. This watershed has characteristic limestone bedrock channels, caves, and high bluffs in some locations. The land use is primarily rural and suburban in the headwaters. As it enters Davidson County land use increases from suburban to commercial, ending in industrial at the mouth of the watershed. To find out more information about this watershed click here;

<http://www.tn.gov/environment/watersheds/five/cheatham/>

Stream Name / ID #: Edmonson Branch

Ecoregion: 71i; Inner Nashville Basin of the Interior Plateau

Stream Dimension:	Channel bottom width	15-20 feet
	Channel top width	25-30 feet
	Water depth	6-12 inches
	Bank height	2-6 feet

Substrate: Sediment, coarse gravels, and bedrock

Designated Use	Use Support	Causes
fish and aquatic life and siltation/sedimentation recreation	Not supporting	Alteration in stream side or littoral vegetation
industrial water supply	Fully supporting	
irrigation	Fully supporting	
livestock watering & wildlife	Fully supporting	
Assessment Date: 2012		

Based on the assessment information, this stream is an Exceptional Tennessee Water and unavailable for additional impacts to habitat that would cause degradation. The cumulative impacts associated with this common plan of development would not cause degradation.

PERMIT COORDINATOR: Vena Jones

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **twenty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

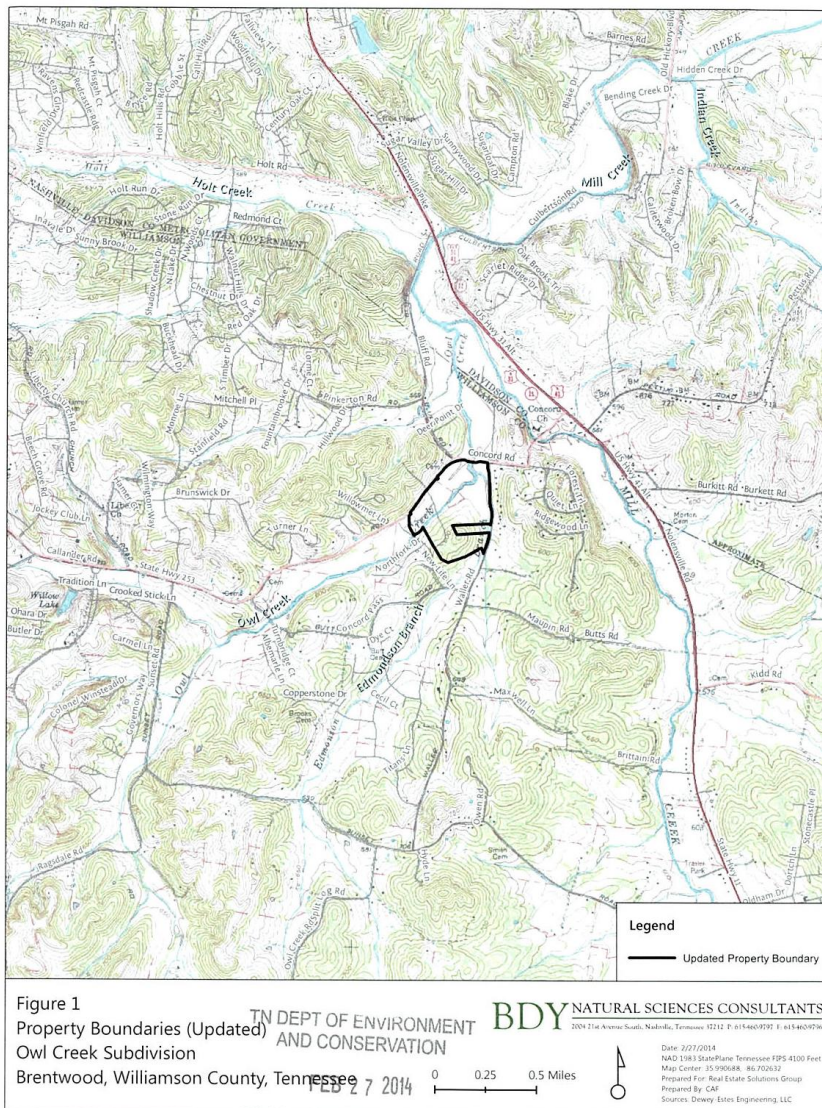
PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within **THIRTY (30) DAYS** after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Dr. Sandra Dudley, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 12th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

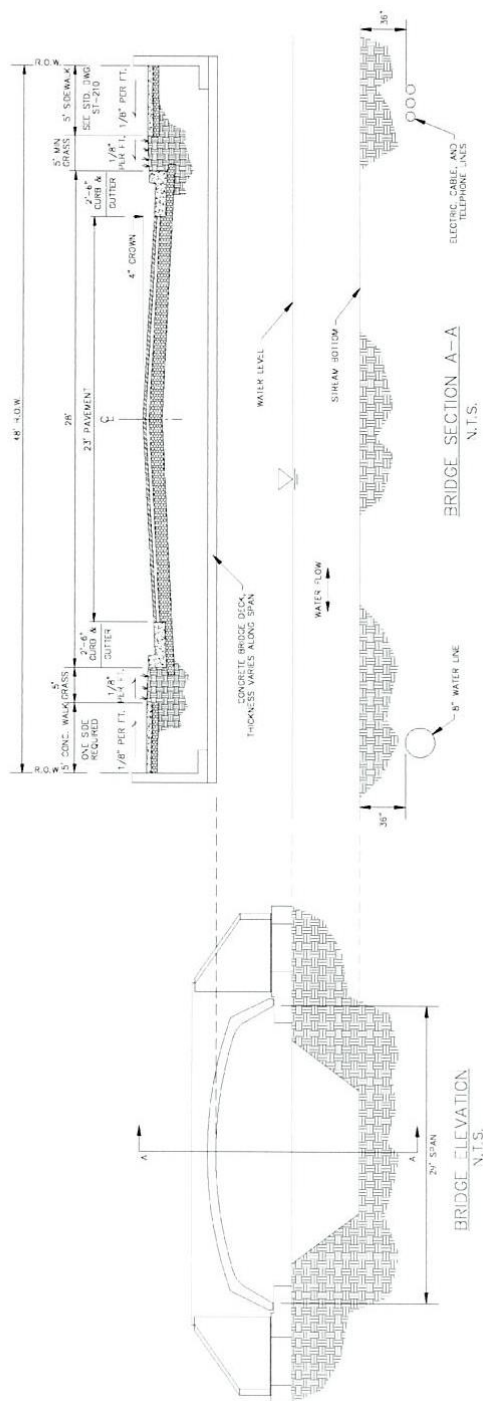
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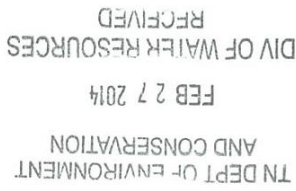
IMPACT SITE 1&2



BRIDGE DETAILS



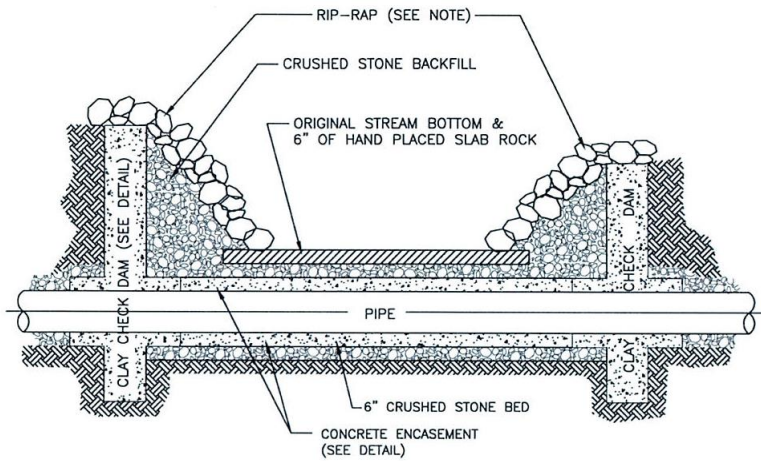
U.S. DEPT OF ENVIRONMENT
AND CONSERVATION
FEB 27 2014
NATIONAL ARCHIVES



<p>CONTECH[®] ENGINEERED SOLUTIONS LLC</p> <p>9025 Center Pointe Dr., Suite 600 • York, PA 17403 717-838-1122 1-855-945-0000 www.contech.com</p>		<p>Owl Creek #2</p> <p>CONSPAN O-Series OS29 29'-0" Span x 5'-7" Rise</p> <p>1 Cell - 48' Long</p> <p>Brentwood, Tennessee</p>	<table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>NO.</th> <th>UNIT</th> </tr> </thead> <tbody> <tr> <td>OS29</td> <td>202025</td> <td>(each)</td> </tr> <tr> <td>DYOB</td> <td></td> <td>(each)</td> </tr> <tr> <td>DYOB</td> <td></td> <td>(each)</td> </tr> <tr> <td>DYOB</td> <td></td> <td>(each)</td> </tr> <tr> <td>SHEET</td> <td>1</td> <td>5</td> </tr> </tbody> </table>	DESCRIPTION	NO.	UNIT	OS29	202025	(each)	DYOB		(each)	DYOB		(each)	DYOB		(each)	SHEET	1	5
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UTILITY LINE PLANS

TN DEPT OF ENVIRONMENT
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DIV OF WATER RESOURCES
RECEIVED



TRENCH SHOULD BE FILLED TO WITHIN 6" OF THE ORIGINAL STREAM BOTTOM WITH GRAVEL. THE REMAINDER OF THE FILL SHOULD CONSIST OF SLAB ROCKS.

ALL DISTURBED STREAMBANKS SHOULD BE STABILIZED AS SOON AS POSSIBLE BY PLACING RIP-RAP FROM TOP TO TOE OF SLOPE. AT POOLS AND RUNS (NOT RIFFLES) WHERE BASE FLOW DEPTHS ARE 15" OR GREATER, TOE RIP-RAP SHOULD BE 18" IN DIAMETER OR LARGER.

THIS WORK SHALL BE CARRIED OUT WITHIN THE CRITERIA STATED BY THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.

METRO WATER SERVICES

INSTREAM CROSSING DETAIL FOR
CRAYFISH HABITAT RESTORATION

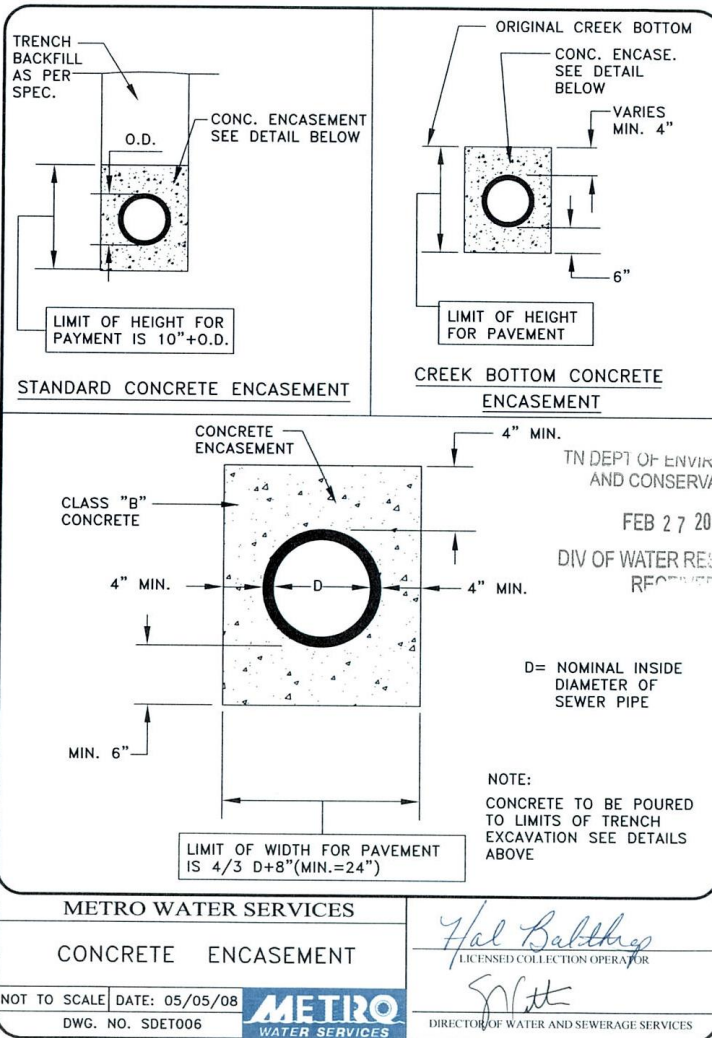
NOT TO SCALE DATE: 02/22/08

DWG. NO. SDET14A



Hal Battrop
LICENSED COLLECTION OPERATOR

SM
DIRECTOR OF WATER AND SEWERAGE SERVICES



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 AND CONSERVATION
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